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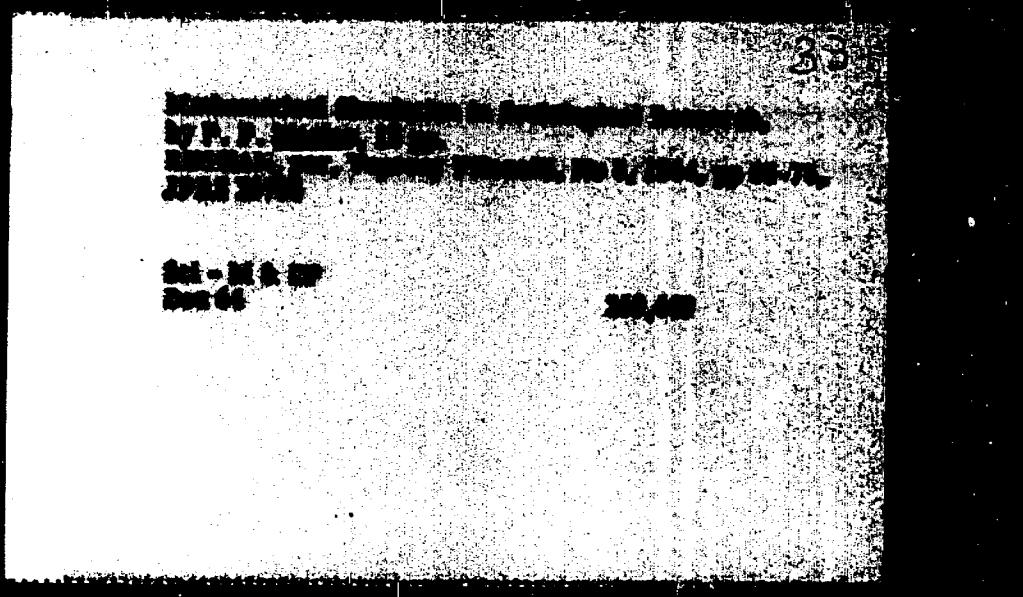
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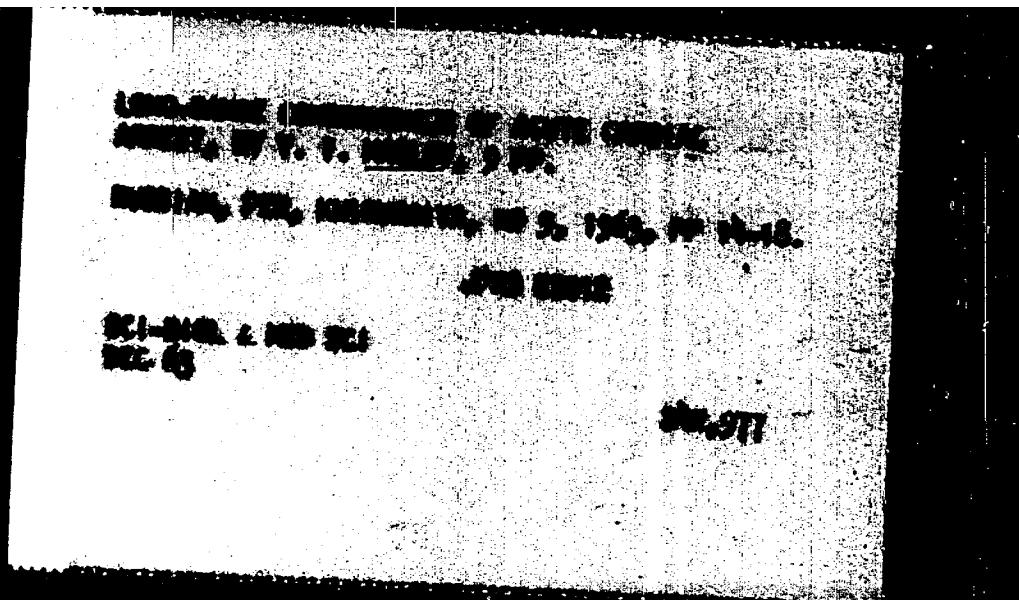
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Experiments on cylindrical models with tangential inlet showed that with a change in model diameter from 50 to 400 mm., of inlet velocity of the bearing stream from 2.0 to 21 m/sec., and of the dust size from 0 to 32 microns, the fundamental criterion governing the separation process is the Stokes' criterion, $St = \frac{32\mu v}{\rho g} / u D_k$. A change in the Froude number, $Fr = \frac{\omega^2 \phi}{D_k g}$, within the limits 2.55 to 625 had no influence on the separation process. Experiments on (Chemistry--Physical. TT, v. 5, no. 8) (over)

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